

South Coast Air Quality Management District

BEST AVAILABLE CONTROL TECHNOLOGY GUIDELINES
Scientific Review Committee Meeting
Tuesday, February 25, 2020, 10:00am – 12:00pm
Conference Room GB

Teleconference Locations

<p>San Diego County Air Pollution Control District 10124 Old Grove Road APCD Library San Diego, CA Contact: Steve Moore 858-586-2750</p>	<p>U.S. Environmental Protection Agency 75 Hawthorne St. Room 18-121 (Ione) San Francisco, CA Contact: Sheila Tsai 415-972-3328 <i>For security reasons, please provide at least a 48 hour advance notice.</i></p>	<p>Air Resources Board 1001 I Street Conference Rm. CR-410 Sacramento, CA Contact: Pippin Mader 916-327-5601</p>
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(Public may attend at the above locations. Committee members may only participate from noticed locations)
 Call-in for listening purposes only is available by dialing 866-244-8528. Listen only Passcode: 8082985
 For instructions, contact Bahareh Farahani at bfarahani@aqmd.gov.

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| 10:00am | Welcome & Introductions | Al Baez |
| 10:05am | <p>Proposed updates to Part B, Major Polluting Facilities</p> <ul style="list-style-type: none"> ◆ New Section I Listings, South Coast AQMD LAER/BACT Determinations <ul style="list-style-type: none"> ⇒ Thermal Oxidizer (Regenerative & Recuperative), Natural Gas Fired
Control set point for retention chamber at 1400 °F
<i>NOx limit: 30 ppmv and CO limit: 250 ppmv for recuperative on a dry basis @ 3% O₂</i> ⇒ Flare, Liquid Transfer and Handling – Marine Loading
Control set point for retention chamber at 1400 °F
<i>NOx limit: 30 ppmv and CO limit: 10 ppmv on a dry basis @ 3% O₂</i> ⇒ Process Heater– Non-Refinery, Thermal Fluid Heater, Natural Gas Fired
<i>NOx limit 9 ppmv and CO limit 100 ppmv on a dry basis @ 3% O₂</i> ⇒ I.C. Engine, Stationary, 147 BHP, Non-Emergency, Electrical Generation
<i>NOx limit: 0.07 lb/MW-hr, VOC limit: 0.10 lb/MW-hr and CO limit: 0.20 lb/MW-hr</i> ⇒ Duct Burner – Refinery Fuel Gas
<i>Sulfur limit (Total Reduced Sulfur as H₂S): 40 ppm, rolling 1-hr averaging period and 30 ppm, rolling 24-hr averaging period</i> ⇒ Aluminum Heat Treating Oven, 5.47 MM Btu/hr, Billet Temp < 970°F
<i>NOx limit: 25 ppmv @ 3% O₂</i> ◆ Section I Update, South Coast AQMD LAER/BACT Determinations <ul style="list-style-type: none"> ⇒ Gas Turbine – Simple Cycle, Natural Gas
<i>NOx limit: 2.3 ppmv and CO limit: 4 ppmv on a dry basis @ 15% O₂</i> | <p>Al Baez
Bahareh Farahani</p> |
| 11:00am | <p>Proposed New/Updates to Part D, Non-Major Polluting Facilities
 New/Updated Listings</p> <p>Stationary Non-Emergency Electrical and non-Electrical Engines
 <i>Ammonia Slip limit: 10 ppm</i></p> | <p>Al Baez
Bahareh Farahani</p> |

- ⇒ Fermentation, Beer and Wine - Tanks Closed-Top ≤ 30,000 gallons
For VOC: Water Scrubber or Chiller Condenser with 67% overall control efficiency averaged over length of fermentation season (mass balance basis). Santa Barbara APCD
- ⇒ Glass Screen Printing – Flat Glass
For VOC: compliance with Rule 1145 or use of Rule 1145 compliant UV/EB or water-based coatings
- ⇒ Spray Booth – Enclosed with automated spray nozzles for wood cabinets, < 1170 Lbs/Month of VOC Emissions
For VOC: compliance with Rule 1136 or use of Rule 1136 compliant UV/EB or water-based coatings
- ⇒ Regenerative Thermal Oxidizer, Natural Gas Fired
1500 °F, *NOx limit: 30 ppmv and CO limit: 400 ppmv on a dry basis @ 3% O₂*
- ⇒ Cannabis Extraction/Processing – Butane and Ethanol
For VOC: ≥ 95% recovery {preliminary work in progress}

Updates for Consistency with Rules and Regulations

- ⇒ Flare – Produced gas, Landfill gas, Organic liquid handling & Other flare gas
Compliance with Rule 1118.1 for NOx, CO and VOC
- ⇒ Fish Reduction – Cooker, Dryer, Digester, Evaporator and Acidulation Tank
Exempt from Rule 1147, remove NOx requirement
- ⇒ Coffee Roasting – Food Oven > Roaster
Exempt from Rule 1147, remove NOx requirement

- 11:30am **BACT Technical Assessment for Biogas Flares** **Al Baez**
Bahareh Farahani
 - ◆ Continue to monitor new/existing organic and food waste digestion and co-digestion projects for ammonia NOx impacts
 - ◆ Hold regular discussions with POTWs on future proposed projects
- 11:45am **Discussion/Other items** **Al Baez**
 - ◆ Other BACT/LAER Determinations
 - ◆ Next Steps

11:50am Public Comment

Members of the public may address the Committee concerning any agenda item before or during consideration of that item. All agendas for regular meetings are posted at District Headquarters, 21865 E. Copley Drive, Diamond Bar, California, at least 72 hours in advance of a regular meeting. At the end of the regular meeting agenda, an opportunity is also provided for the public to speak on any subject within the committee’s authority. Speakers may be limited to three (3) minutes each. (Gov’t. Code Section 54954.3)

Americans with Disabilities Act

The agenda and documents in the agenda packet will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov’t Code Section 54954.2(a)). Disability-related accommodations will also be made available to allow participation in the BACT Scientific Review Committee meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated to the extent feasible. Please contact Al Baez at 909-396-2516 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to abaez@aqmd.gov.

Document Availability

All documents (i) constituting non-exempt public records, (ii) relating to an item on an agenda for a regular meeting, and (iii) having been distributed to at least most of the Committee after the agenda is posted, are available prior to the meeting for public review at the South Coast Air Quality Management District, Public Information Center, 21865 Copley Drive, Diamond Bar, CA 91765.